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(FILE 'HOME' ENTERED AT 11:06:12 ON 02 FEB 2004)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:06:24 ON 02 FEB 2004

SEA BETA-GLUCOSIDASE

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1 FILE PHIN
22 FILE PROMT
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L1 QUE BETA-GLUCOSIDASE

FILE 'CAPLUS, BIOSIS, SCISEARCH, MEDLINE, EMBASE, PASCAL, BIOTECHDS,
CABA, LIFESCI, BIOTECHNO, TOXCENTER, GENBANK, AGRICOLA, ESBIOBASE'
ENTERED AT 11:11:41 ON 02 FEB 2004

L2 24 S L1 AND (BGL4 OR BG-IV OR BG IV)
L3 7 DUP REM L2 (17 DUPLICATES REMOVED)

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
 AN 2003:491421 CAPLUS
 DN 139:65402
 TI Protein and cDNA sequences of *Trichoderma reesei* .**beta.-glucosidase BGL4** and use
 IN Dunn-Coleman, Nigel; Ward, Michael; Yao, Jian; Goedegebuur, Frits
 PA Genencor International, Inc., USA
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003052118	A2	20030626	WO 2002-US34611	20021030
	WO 2003052118	A3	20030925		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003119006	A1	20030626	US 2001-27000	20011218
PRAI	US 2001-27000	A	20011218		

L3 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2002:597055 BIOSIS
 DN PREV200200597055
 TI Genomic studies of cell wall-associated synthases and hydrolases of *Coccidioides immitis*.
 AU Delgado, N. [Reprint author]; Yu, J. J. [Reprint author]; Hung, C. Y. [Reprint author]; Nila, A. G. [Reprint author]; Schaller, R. [Reprint author]; Okeke, C. N. [Reprint author]; Chen, X. [Reprint author]; Cole, G. T. [Reprint author]
 CS Medical College of Ohio, Toledo, OH, USA
 SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 201. print.
 Meeting Info.: 102nd General Meeting of the American Society for Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.
 ISSN: 1060-2011.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 20 Nov 2002
 Last Updated on STN: 20 Nov 2002

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
 AN 1999:348867 CAPLUS
 DN 131:155115
 TI Molecular cloning and expression of the novel fungal .**beta.-glucosidase** genes from *Humicola grisea* and *Trichoderma reesei*
 AU Takashima, Shou; Nakamura, Akira; Hidaka, Makoto; Masaki, Haruhiko; Uozumi, Takeshi
 CS Department of Biotechnology, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Tokyo, 113-8657, Japan
 SO Journal of Biochemistry (Tokyo) (1999), 125(4), 728-736
 CODEN: JOBIAO; ISSN: 0021-924X

PB Japanese Biochemical Society

DT Journal

LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
AN 1998:486295 CAPLUS

DN 129:198717

TI Identification, sequence analysis and expression studies of novel anther-specific genes of *arabidopsis thaliana*

AU Rubinelli, Peter; Hu, Yi; Ma, Hong

CS Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 11724, USA

SO Plant Molecular Biology (1998), 37(4), 607-619

CODEN: PMBIDB; ISSN: 0167-4412

PB Kluwer Academic Publishers

DT Journal

LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1987:84417 BIOSIS

DN PREV198783042995; BA83:42995

TI CELLULASE PRODUCTION DURING GROWTH OF TALAROMYCES-EMERSONII CBS-814.70 ON LACTOSE CONTAINING MEDIA.

AU MCHALE A P [Reprint author]; MORRISON J

CS DEP MICROBIOL, TRINITY COLL, DUBLIN 2, IREL

SO Enzyme and Microbial Technology, (1986) Vol. 8, No. 12, pp. 749-754.
CODEN: EMTED2. ISSN: 0141-0229.

DT Article

FS BA

LA ENGLISH

ED Entered STN: 7 Feb 1987

Last Updated on STN: 7 Feb 1987

L3 ANSWER 6 OF 7 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AY049945 GenBank (R)

GenBank ACC. NO. (GBN): AY049945

GenBank VERSION (VER): AY049945.1 GI:15982667

CAS REGISTRY NO. (RN): 361331-59-1

SEQUENCE LENGTH (SQL): 1375

MOLECULE TYPE (CI): mRNA; linear

DIVISION CODE (CI): Plants, fungi, algae

DATE (DATE): 7 Oct 2001

DEFINITION (DEF): Coccidioides immitis beta-glucosidase
4 (BGL4) mRNA, complete cds.

SOURCE: Coccidioides immitis.

ORGANISM (ORGN): Coccidioides immitis
Eukaryota; Fungi; Ascomycota; Pezizomycotina;
Eurotiomycetes; Onygenales; mitosporic Onygenales;
Coccidioides

NUCLEIC ACID COUNT (NA): 317 a 341 c 349 g 368 t

REFERENCE:
AUTHOR (AU): 1 (bases 1 to 1375)

Hung,C.-Y.; Cole,G.T.

TITLE (TI): Beta-glucosidase of human fungal
pathogen Coccidioides immitis

JOURNAL (SO): Unpublished

REFERENCE:
AUTHOR (AU): 2 (bases 1 to 1375)

Hung,C.-Y.; Cole,G.T.

TITLE (TI): Direct Submission

JOURNAL (SO): Submitted (02-AUG-2001) Department of Microbiology &
Immunology, Medical College of Ohio, 3055 Arlington

Ave., Toledo, OH 43614, USA

FEATURES (FEAT) :

Feature Key	Location	Qualifier
source	1..1375	/organism="Coccidioides immitis" /isolate="C735" /db-xref="taxon:5501"
gene	1..1375	/gene="BGL4"
CDS	210..1130	/gene="BGL4" /note="similar to glycosyl hydrolase family 17" /codon-start=1 /product="beta-glucosidase 4" /protein-id="AAL09828.1" /db-xref="GI:15982668" /translation="MRLSTLLPLALAAPAVSAA GKLGFLGVKNADGSCKSQADPEK DFDVVLKAHSNIVRTYAAACNNAEAIVPAAKKKG FNLVLGVWPDVPEFDADTKALQK VIPGNEDVITAITVGSETLYRGNFTGQELLQKIN QVQKMFPKVKVGTADSWNKYADGT ADPIIAGGVKYLLVNAFAFWQGDVSNATDTYID DMMQAMVHIIQKVAGANAKQIHIAT GETGWPSDGGSDFGAAKAGTKNAKTFFEKGVCAM LSWGVDVFYFEAFDEPWKPKSIGD NGKAADETHWGLYTADRRSKYTPVCKHIRS"

SEQUENCE (SEQ) :

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181 gaattcgtca ttgcgtggaa aagttgataa tgcgtttgtc gacttcctt cctctcgccc
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481 agtccttcga cgcagacacc aaagcttgc agaaaatgtt cccagggaaat gaagatgtga
541 tcaccgctat aaccgtcggt tctgagactt tgtaccgtgg caaccttacc ggc当地
601 ttttgcagaa gatcaaccag gttcagaaga tggtcccaaa ggttaaggc ggc当地
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781 catacatcga tgacatgatg caggccatgg ttcacatcca gaaagtgcgt ggagc当地
841 ctaagcaaat tcacattgtt actggagaga ccgggtggcc aagtgcgg ggaagc当地
901 tcgggtctgc ccaaagctgg actaaaaatg ctaagacattt ctggagaaa ggc当地
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1021 caaagagcat tggcgacaat ggcaaggctg ctgacgagac tcactggcc ttgtacacc
1081 ctgatcgccg gtcccaagtac acgcctgtgt gcaaacatatt tcgatcttga tataacc
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1201 ccgatgccta agggcttgc catgggttag gccgcctt aattttgtt tcgc当地
1261 ctaaggtagg cgatagaaaat atggcttattt caggccaaatg tggcgatgg tagctact
1321 ctttagacta attgaaaatg cgattttt atcaatgtt caaaaaaaaaaa aaaaa

L3 ANSWER 7 OF 7

GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC) : AB003109 GenBank (R)
GenBank ACC. NO. (GBN) : AB003109
GenBank VERSION (VER) : AB003109.1 GI:4249559
CAS REGISTRY NO. (RN) : 225418-17-7
SEQUENCE LENGTH (SQL) : 1900
MOLECULE TYPE (CI) : DNA; linear
DIVISION CODE (CI) : Plants, fungi, algae
DATE (DATE) : 25 Dec 2002
DEFINITION (DEF) : Humicola grisea var. thermoidea **bgl4** gene for

KEYWORDS (ST) : **beta-glucosidase**, complete cds.
 SOURCE: **Humicola grisea** var. **thermoidea**
 ORGANISM (ORGN) : **Humicola grisea** var. **thermoidea**
Eukaryota; Fungi; Ascomycota; mitosporic Ascomycota;
Humicola
 NUCLEIC ACID COUNT (NA) : 393 a 628 c 513 g 366 t
 REFERENCE:
 1
 AUTHOR (AU) : Takashima,S.; Nakamura,A.; Hidaka,M.; Masaki,H.;
 Uozumi,T.
 TITLE (TI) : Molecular cloning and expression of the novel fungal
 beta-glucosidase genes from **Humicola**
 grisea and **Trichoderma reesei**
 J. Biochem. (1999) In press
 2 (bases 1 to 1900)
 JOURNAL (SO) :
 REFERENCE:
 AUTHOR (AU) : Uozumi,T.
 TITLE (TI) : Direct Submission
 JOURNAL (SO) : Submitted (09-MAR-1997) Takeshi Uozumi, The University
 of Tokyo, Department of Biotechnology, Faculty of
 Agriculture; 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113, Japan
 (E-mail:uozumi@mcb.bt.a.u-tokyo.ac.jp,
 Tel:03-5684-0387, Fax:03-5684-0387)

FEATURES (FEAT) :

Feature Key	Location	Qualifier
source	1..1900	/organism="Humicola grisea var. thermoidea" /sub-species="IFO9854" /db-xref="taxon:5528"
gene	join(289..332, 437..1823)	/gene="bgl4"
CDS	join(289..332, 437..1823)	/codon-start=1 /product="beta-glucosidase" /protein-id="BAAT4958.1" /db-xref="GI:4249560" /translation="MSLPPDFKWFATAAYQIEG SVNEDGRGPGSIWDTFCAIPGKIA GSSGAVALDSYKRTKEDIALLKELGANSYRFSIS WSRIIPLGGRNDPINQKGIDHYVK FVDDLIEAGITPFITLFHWDLPDALDKRYGGFLN KEEFAADFENYARIMFKAIPKCKH WITFNEPWCASILGYNTGYFAPGHTSDRSKSPVG DSAREPWIVGHNILIAHARAVKAY REDFKPTQGGEIGITLNGDATLPWDPEDPADIEA CDRKIEFAISWFADPIYFGKYPDS MRKQLGDRILPEFTPEEVALVKGSNDFYGMNHYTA NYIKHKTGVPPEDDFLGNLETLFY NKYGDCIGPETQSFWLRPHAQGFRDLLNWLSKRY GYPKIYVTENGTSLGKENDMPLEQ VLEDDFRVKYFNDYVRAMAAAEDGCNVRGYLA WSLLDNFEWAEGYETRFGVTYVDY ANDQKRPKKSAKSLKPLFDSSLIRKE"

SEQUENCE (SEQ) :

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121 ataaagttagg ggctgccttc ctcctccaag ggaccctttc ttgaatctt tggttgtgtc
181 tggaggccaa agactctgag agatcatcg tctcccccaa gatccatcct acagtcatca
241 gtatactttg taaaatcact cgacccgtt cttcccggtt agcccatcat gtctcttc
301 ccggacttca agtggggctt tgccaccgct gcgtacgtt tatttaccct atgcctcttc
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421 ctcttcaac tcacagctac cagatcgagg gctccgtcaa cgaggatggc cgtgggcgt
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